

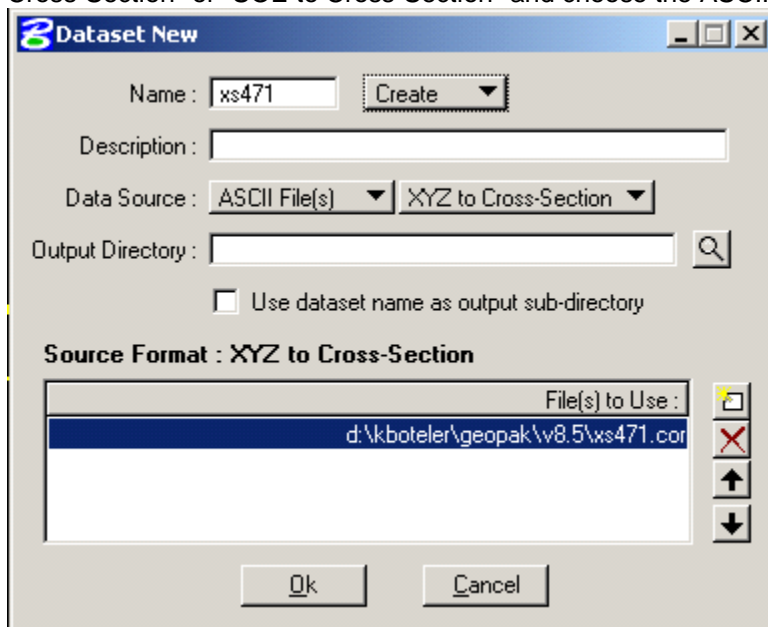
## Creating Existing X-SECTIONS (1-1-2012)

Steps are described below for creating existing x-sections from:

- I) ASCII XYZ or SOE
- II) DTM

### **I) X-SECTION FROM XYZ or SOE (Coordinates on same coordinate system as Chain)**

1. In Survey, Tag Project Open and open your project. (Project New if you do not have project.)
2. Tag Dataset New & choose "ASCII FILES" for the Data Source and then choose "XYZ to Cross-Section" or "SOE to Cross-Section" and choose the ASCII file to process.



Tag OK.

NOTE: The steps are basically the same if you are processing SOE except you will assign Station, Offset, Elevation, & Region for this step.

3. Fill out the next dialog as shown below. (XS Element Symbology" to: LV=XS\_X\_GROUND, CO,WT,LC = bylevel)

**XYZ to Cross-Section** User : MDOT Dataset : xs471-2

File:

Contents of File:  ☒ Plot Elevation Text : **12.34**

```

$ 50000 N 18737.49837997 E 28966.87507712 ELEV 385.31000000 STA 175+00.00 1
$ 50001 N 18730.44711728 E 28982.34374527 ELEV 384.31000000 STA 175+00.00
$ 50002 N 18720.49239348 E 29004.18186501 ELEV 379.31000000 STA 175+00.00
$ 50003 N 18715.10025142 E 29016.01084654 ELEV 375.21000000 STA 175+00.00

```

S:  N:  E:

Chain:

☐ Load ASCII Dialog On Dataset Open

Tag Process.

4. If prompted by the dialog below, make sure to enter 0 for the Decimal Value.

**Decimal Value**

Numeric values were found that contain no decimals. Enter the number of decimal places to assume for all numeric values with no decimals. By entering 2 the value 123456 will become 1234.56 thus altering the numeric value. If you have data that contains decimals you probably want this value to be zero(0).

Decimal Value:

## II) X-SECTION FROM DTM (TIN)

1. Create a Pattern DGN file and draw patterns at even 50-100' station and at critical stations such as driveway locations, ditch areas, etc.

**Draw Pattern Lines**

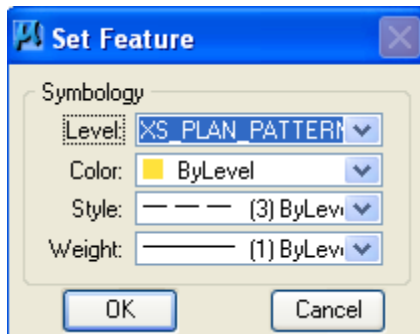
Job:  Chain:  Profile:

Beginning: Left Offset(+):  Station:  Right Offset(+):

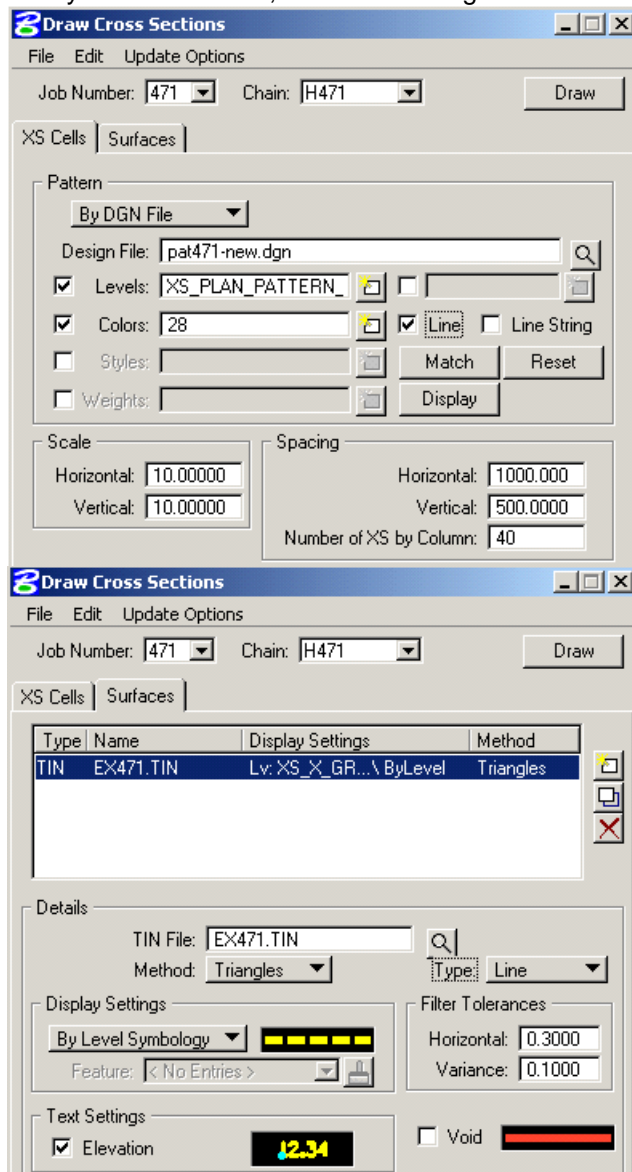
Ending: Left Offset(+):  Station:  Right Offset(+):

Even:  ☐ Skew Angle:

Level Symbolology:



2. In your XS DGN file, fill out the dialogs as shown below and tag DRAW:



## **TANSFER ASCII XYZ to SOE (XYZ Coordinates on different coordinate system as Chain)**

This converts the XYZ to SOE which you can then process with X-SECTION from XYZ or SOE instructions above.